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DOCUMENTO MANTE 10

DUCI 10113/08

CT Demand & wo Reply

DETRANSMITTAL OF DUCI 11/13/08

From the INTERNATIONAL SEARCHING AUTHORITY	DUE: 10/13/08				
TO: ISABELLE M. CLAUSS FOLEY HOAG LLP 155 SEAPORT BLVD. BOSTON, MA 02210-2600	PCT Pengand & UCC NOTIFICATION OF TRANSMITTAL OF PUCC THE INTERNATIONAL SEARCH REPORT AND THE WITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY, OR THE DECLARATION				
	(PCT Rule 44.1)				
	Date of mailing (day/month/year)				
Applicant's or agent's file reference JHV-058.25	FOR FURTHER ACTION See paragraphs 1 and 4 below				
International application No. PCT/US07/76525	International filing date (day/month/year) 22 August 2007 (22.08.2007)				
Applicant WU ET AL	1,7,7,7				
	rch report and the written opinion of the International Searching Authority				
Filing of amendments and statement under Article 19 The applicant is entitled, if he so wishes, to amend the cla					
	normally two months from the date of transmittal of the international				
Where? Directly to the International Bureau of WIPC 1211 Geneva 20, Switzerland, Facsimile No.					
For more detailed instructions, see the notes on the a	For more detailed instructions, see the notes on the accompanying sheet.				
2. The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect and the written opinion of the international Searching Authority are transmitted herewith.					
With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:					
the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.					
	plicant will be notified as soon as a decision is made.				
Bureau. If the applicant wishes to avoid or postpone publication priority claim, must reach the International Bureau as provided in technical preparations for international publication.	e, the international application will be published by the International n, a notice of withdrawal of the international application, or of the Rules 906s.1 and 906s.3, respectively, before the completion of the				
The applicant may submit comments on an informal basis on the written opinion of the International Searching Authority to the International Pureau The International Bureau will send a copy of such comments to all designated Offices unless an international preliminary examination report has been or is to be established. These comments would also be made available to the public but not before the expiration of 50 months from the priority date.					
Within 19 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filled if the applicant which to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later); otherwise, the applicant must, within 20 months from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices.					
	s (or later) will apply even if no demand is filed within 19 months.				
See the Annex to Form PCT/IB/301 and, for details about the app Volume II, National Chapters and the WIPO Internet site.	plicable time limits, Office by Office, see the PCT Applicant's Guide,				
Name and mailing address of the ISA/ US Mail Stop PCT. Attn: ISA/US	Authorized officer				
Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450	Scott D. Long /Janet Epps-Ford/ Primary Examiner				

Facsimile No. (571) 273-3201 Form PCT/ISA/220 (January 2004)

(See notes on accompanying sheet)

RECEIVED

Telephone No. 571-272-9048

AUG 1 8 2008

PATENT DEPT. DOCKETING

From the INTERNATIONAL SEARCHING AUTHORITY					
To: ISABELLE M. CLAUSS FOLEY HOAG LLP ISS SEAPORT BLVD. BOSTON, MA 02210-2600	PCT NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT AND THE WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY, OR THE DECLARATION (PCT Rule 44.1)				
	Date of mailing (day/month/year) 1 3 AUG 2008				
Applicant's or agent's file reference JHV-058.25	FOR FURTHER ACTION See paragraphs 1 and 4 below				
International application No. PCT/US07/76525	International filing date (day/month/year) 22 August 2007 (22.08.2007)				
Applicant WU ET AL					
have been established and are transmitted herewith. Filing of amendments and statement under Article 19:					
The applicant is entitled, if he so wishes, to amend the clai When? The time limit for filing such amendments is search report.	ims of the international application (see Rule 46): normally two months from the date of transmittal of the international				
Where? Directly to the International Bureau of WIPO 1211 Geneva 20, Switzerland, Facsimile No.					
For more detailed instructions, see the notes on the a	ccompanying sheet.				
	 The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect and the written opinion of the International Searching Authority are transmitted herewith. 				
3. With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:					
the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.					
no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.					
4. Reminders					
Bureau. If the applicant wishes to avoid or postpone publicatio priority claim, must reach the International Bureau as provided in technical preparations for international publication.	Shortly after the expiration of 18 months from the priority date, the international application will be published by the international Bureau. If the applicant whiches to avoid or postopone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the international Bureau as provided in Rules 90\(\text{hc.}1\) and 90\(\text{hc.}3\), respectively, before the completion of the technical preparations for international publications.				
The applicant may submit comments on an informal basis on the written opinion of the International Searching Authority to the International Bureau The International Bureau will send a copy of such comments to all designated Offices unless an international preliminary examination report has been or is to be established. These comments would also be made available to the public but not before the experiation of 30 months from the priority date.					
examination must be filed if the applicant wishes to postpone the	Within 19 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filled if the applicant whosh to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later), otherwise, the applicant must, within 20 months from the priority date, perform the prescribed acts for entry into the national phase before those destinanted Offices.				
In respect of other designated Offices, the time limit of 30 months	(or later) will apply even if no demand is filed within 19 months.				
See the Annex to Form PCT/IB/301 and, for details about the app Volume II, National Chapters and the WIPO Internet site.	slicable time limits, Office by Office, see the PCT Applicant's Guide,				
Name and mailing address of the ISA/US	Authorized officer				
Mail Stop PCT, Attn: ISA/US Commissioner for Patents	Scott D. Long				
P.O. Box 1450 Alexandria, Virginia 22313-1450	/Janet Epps-Ford/ Primary Examiner				
Facsimile No. (571) 273-3201	Telephone No. 571-272-9048				

(See notes on accompanying sheet)

Form PCT/ISA/220 (January 2004)

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference JHV-058.25		Form PCT/ISA/220 ere applicable, item 5 below
International application No. PCT/US07/76525	International filing date (day/month/year) 22 August 2007 (22.08.2007)	(Earliest) Priority Date (day/month/year) 22 August 2006 (22.08.2006)
Applicant WU ET AL		
This international search report consists It is also accompanied It is also	of a total of sheets. I by a copy of each prior art document cited international search was carried out on the bas application in the language in which it was file to international application into mished for the purposes of international search to the contract of the sheet sabbished taking into account the his Authority under Rule 91 Rule 43.6 bis(a) de and/or amino acid sequence disclosed in the unsearchable (See Box No. II) g (See Box No. III)	in this report. is of: d. , which is the language in (Rules 12.3(a) and 23.1(b)) e rectification of an obvious mistake
	according to Rule 38.2(b), by this Authority a	
may, within one month from 6. With regard to the drawings,	the date of mailing of this international search	report, submit comments to this Authority.
	sublished with the abstract is Figure No. 22	
as suggested by the		_
	uthority, because the applicant failed to sugges	=
	uthority, because this figure better characterize	s the invention.
b none of the figures is to be pr	ublished with the abstract.	

Form PCT/ISA/210 (first sheet) (April 2007

INTERNATIONAL SEARCH REPORT

International application No.

			PCT/US07/76525	
A. CLAS	SSIFICATION OF SUBJECT MATTER A01N 43/04(2006.01);A61K 31/70(2006.01)			
USPC: According to	514/44 International Patent Classification (IPC) or to both na	tional classification a	nd IPC	
B. FIELI	DS SEARCHED			
Minimum do U.S.: 51	cumentation searched (classification system followed l 4/44	oy classification symb	ools)	
Documentation	on searched other than minimum documentation to the	extent that such docu	ments are included in	the fields searched
	ta base consulted during the international search (name ontinuation Sheet	e of data base and, wh	ere practicable, searc	h terms used)
	UMENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where a	····		Relevant to claim No.
X, P	P SIN, Jeong-Im (Expert Rev. Vascines. Dec. 2006; 5(6): 783-792) Human popillomavirus vacines for the treatment of cervical cancer. SIN writes a review article that describes DNA vaccines for HPV. SIN describes DNA vaccines for HPV combination therapies comprising chemotherapy and HPV vaccines; burner antiquen E6 and E7: vaccines conjugated to HSP70. SIN provides motivation to combine all of these elements & cites many useful references.			
Y,P	BAE et al (Clin Cancer Res. January 1, 2007; 13(1): 341-349). BAE describes combination of claplatin and HPV subunit (protein) vaccines. BAE suggests using DNA vaccines. BAE clies mannerous references which describe development of this field.			
Y	GRANDIS et al. (Cancer Research. 2004; 64: 8126-8129) teaches connection between HPV infection and Head and Neck Cancer. Orandis et al. futher teach HPV vaccines and treatment with cisplatin.			
M				
]	documents are listed in the continuation of Box C.		t family annex.	
	pecial categories of cited documents: defining the general state of the art which is not considered to be of relevance.	date and no	t in conflict with the applic theory underlying the inve	mational filing date or priority ation but cited to understand the ntion
"E" earlier app	olication or patent published on or after the international filing date	considered	f particular relevance; the o novel or cannot be conside ocument is taken alone	claimed invention cannot be red to involve an inventive step
establish ti specified)	which may throw doubts on priority claim(s) or which is cited to the publication date of another citation or other special reason (as	considere d combined v	to involve an inventive step with one or more other such	documents, such combination
	referring to an oral disclosure, use, exhibition or other means	-	us to a person skilled in the	
priority da			nember of the same patent	
	tual completion of the international search	Date of mailing of t	ne international searc	h report
16 July 2008 ((16.07.2008) iling address of the ISA/US	Authorized officer	J HUU 200	ŭ
Mail Com P.O.	Stop PCT, Attn: ISA/US unissioner for Patents Box 1450	Scott D. Long /Janet Epps-Ford/ P	rimary Examiner	
	andria, Virginia 22313-1450 (571) 273-3201	Telephone No. 571	-272-9048	

Form PCT/ISA/210 (second sheet) (April 2007)

INTERNATIONAL SEARCH REPORT

International application No. PCT/US07/76525

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

ategory *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
х	Coulxo et al. (Expert Opin. Biol. Ther. 2005; 5(9): 1193-1210. Coulxos et al. teach DNA vaccines immunogenic against HPV. Coulxos et al. teach combinatorial approaches incorporating chemotherapy and vaccination to maximise therapeutic success (page 1202, ool.2, last parag.)	1-20
x	US2005/0048467 (Sastry et al) 3 March 2005 (03.03.2005). Sastry et al. teach peptide vaccines against HPV infection/cervical cancer. Sastry further teaches combinations of chemotherapy and vaccines. Sastry et al. further teach gene therapy and vectors encoding polypeptides.	1-10, 17-20
Y	CHEN et al. (Cancer Research. 2000; 60: 1035-1042) teach DNA vaccines immunogenic against HPV comprising nucleic acid sequences encoding fusion proteins comprising HSP70 and HPV-16 E7 antigen.	1-14, 18

•	International application No.	
INTERNATIONAL SEARCH REPORT		
INTERNATIONAL SEARCH REPORT	PCT/US07/76525	
J.		
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Continuation of B. FIELDS SEARCHED Item 3:		1
EAST search: USPAT, US-PGPUB, OCR, EPO, JPO; STN search: medline, embase	hioris canlus scisearch	
Enter search. Contin, Continue	, oroge, capital, selsemen	
		- 1
search terms: "DNA vaccine," cisplatin, HPV, chemotherapy, combination therapy, o	ombinatorial	
		- 1

INTERNA	TIONAL SEARCE	HING AUTH	ORITY		
To: ISABELLE M. CLAUSS FOLEY HOAG LLP			PCT		
	PORT BLVD. I, MA 02210-260	00			RITTEN OPINION OF THE IONAL SEARCHING AUTHORITY
				nvielauti	(PCT Rule 43bis.1)
				Date of mailing	
				(day/month/year)	
Applicant	's or agent's file re	eference		FOR FURTHER	R ACTION See paragraph 2 below
JHV-058					
	nal application No	٠	International filing date		Priority date (day/month/year)
PCT/US0		cation (IPC) o	22 August 2007 (22.08.2 or both national classificat		22 August 2006 (22.08.2006)
IPC:	A01N 43/04(2000 514/44			ion and in C	
Applicant					
WU ET A	L				
I. This o	opinion contains in	ndications rela	ting to the following item	s:	
\boxtimes	Box No. I	Basis of the	opinion		
\boxtimes	Box No. II	Priority			
	Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability				
	Box No. IV	No. IV Lack of unity of invention			
\boxtimes	Box No. V Reasoned statement under Rule 49 bis. I(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
	Box No. VI	Certain docu	iments cited .		
	Box No. VII	Certain defe	cts in the international app	olication	
	Box No. VIII Certain observations on the international application				
2. FUR	THER ACTION	N			
If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("PEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.					
If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/SA/220 or before the expiration of 22 months from the priority date, whichever expires later.					
For fu	rther options, see	Form PCT/IS	A/220.		
3. For fu	rther details, see n	otes to Form I	PCT/ISA/220.		
	mailing address o		Date of complet	ion of this opinion	Authorized officer
	fail Stop PCT, Attn:		17 July 2008 (11	7 07 2008)	Scott D. Long
P	O. Box 1450		17 3417 2508 (1		/Janet Epps-Ford/ Primary Examiner
	lexandria, Virginia : No. (571) 273-320				

Form PCT/ISA/237 (cover sheet) (April 2007)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/US07/76525

Box No	o. I Basis of this opinion
l. With	regard to the language, this opinion has been established on the basis of:
\boxtimes	the international application in the language in which it was filed
	a translation of the international application into, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).
2. 🔲	This opinion has been established taking into account the rectification of an obvious mistake authorized by or notified to this
	Authority under Rule 91 (Rule 436is.1(a)) regard to any nucleotide and/or amino acid sequence disclosed in the international application, this opinion has been ished on the basis of:
a,	type of material
	a sequence listing
	table(s) related to the sequence listing
b.	format of material
	on paper
	in electronic form
c.	time of filing/furnishing
	contained in the international application as filed.
	filed together with the international application in electronic form.
	furnished subsequently to this Authority for the purposes of search.
ŧ. 🔲	In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or familished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
5. Additio	onal comments:

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/US07/76525

Box N	o. II Priority	
1. 🔀	The validity of the priority claim has not been considered because the International Searching Authority does not have in its possession a copy of the earlier application whose priority has been claimed or, where required, a translation of that earlier application. This opinion has nevertheless been established on the assumption that the relevant date (Rules 43-bis. 1 and 64.1) is the claimed priority date.	
2.	This opinion has been established as if no priority had been claimed due to the fact that the priority claim has been found invalid (Rules 436c), and 64.1). Thus for the purposes of this opinion, the international filing date indicated above is considered to be the relevant date.	
In the PCT R Author docum with a is not a provid (WO)	all observations, if necessary: are a copy of the non-US filed priority document is not furnished to this authority because the applicant fails to comply with tall 17.1 or the document is not available to this Authority from a digital library, the applicant is invited to provide this rity with a copy of said document. The applicant is also invited to provide a translation of said document into English (if the tent is not in English) within two months from the date of mailing of this written opinion. If this Authority is not provided copy of said non-US filed priority document and the applicant fails to comply with PCT Ratle 17.1 and the priority document available to this Authority from a digital library andotic an English translation of said document, if it is not in English, is not do to this Authority within the time period set forth above or by the time this Authority begins to draw up any written opinion of the International Preliminary Exempting (PEA) or the International Preliminary Exempting (PEA) or the International Preliminary Report on Patentability (IPRP) (PEA) or the International Preliminary Exempting (PEA) or the International Preliminary Exempting (PEA) and the International Preliminary Report on Patentability (IPRP) (PEA) or the International Preliminary Report on Patentability (IPRP)	100

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US07/76525

Box No. V Reasoned statement under Rule 43 bis. 1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement			
Novelty (N)	Claims	NONE	YES
	Claims	1-20	NO
Inventive step (IS)	Claims	NONE	YES
	Claims	1-20	NO
Industrial applicability (IA)	Claims	1-20	YES
	Claims	NONE	NO

2. Citations and explanations:

Claims 1-20 lack novelty under PCT Article 33(2) as being anticipated by SIN, Jeong-Im (Expert Rev. Vaccines, Dec. 2006; 5(6): 782) Human popillomavirus vaccines for the treatment of cervical cancer. SIN writes a review article that describes DNA vaccines for HPV. SIN describes DNA vaccines for HPV combination therapies comprising chemotherapy and HPV vaccines; tumor antigens E6 and E7; vaccines conjugated to HSPPO. SIN provides motivation to combine all of these elements & cites many useful references.

Claims 1-20 lack novelty under PCT Article 33(2) as being anticipated by COUKOS et al. (Expert Opin. Biol. Ther. 2005; 5(9): 1193-1210. Coukos et al. teach DNA vaccines immunogenic against HPV. Coulous et al. teach combinatorial approaches incorporating chemotherapy and vaccination to maximise therapeutic success (page 1202, col.2, last parag.)

Claims 1-10 and 17-20 lack novelty under PCT Article 33(2) as being anticipated by US2005/0048467 (Sastry et al) 3 March 2005 (03.03.2005). Sastry et al. teach peptide vaccines against HPV infection/cervical cancer. Sastry further teaches combinations of chemotherapy and vaccines. Sastry et al. further teach gene therapy and vaccines needing polypeptides.

Claims 1-20 lack an inventive step under PCT Article 33(3) as being obvious over CHEN et al. (Cancer Research: February 15, 2000; 6: 0135-1042), in view of prior ard faciosing combination therapy comprising HPV socination and chemotherapy. Chen et al. leach DNA vaccines immunogenic against HPV. Chen et al. further teach DNA vaccines encoding a fusion protein comprising HPV-16 E7 antigen and HBFV. The teachings of Chen et al. encompass all limitations of claims 1-14 and 18 except combination with chemotherapeutic agents. Any of the prior art provided which teaches HPV vaccination in combination with chemotherapeutics would be obvious over the instant claims.

Claims 1-20 lack an inventive step under PCT Article 33(3) as being obvious over BAE et al (Clin Cancer Res. January 1, 2007; 13(1): 341-349). BAE describes combination of cisplatin and HPV subunit (protein) vaccines. BAE suggests using DNA vaccines. BAE cites numerous references which describe development of this field.

Claims 1-10 and 17-20 lack an inventive step under PCT Article 33(3) as being obvious over GRANDIS et al. (Cancer Research. 2004; 64: 812-68129) teaches connection between HPV infection and Head and Neck Cancer. Grandis et al. futher teach HPV vaccines and treatment with clipslatin.

Claims 1-20 meet the criteria set out in PCT Article 33(4), and thus have industrial applicability because the subject matter claimed can be made or used in industry.

NOTES TO FORM PCT/ISA/220

These Notes are intended to give the basic instructions concerning the filing of amendments under Article 19. The Notes are based on the requirements of the Pattent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article," "Rule" and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions, respectively.

INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report and the written opinion of the International Searching Authority, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application, it should however be emphasized that, since all parts of the international raphication (Isakima, description and drawings) may be amended during the international perliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another provisional protection or the purpose of the provisional protection or the purpose of the provisional protection or the purpose of protection or the purpose of provisional protection or the purpose of protection or the purp

The attention of the applicant is drawn to the fact that amendments to the claims under Article 19 are not allowed where the international Searching Authority has declared, under Article 17(2), that no international search report would be established (see PCT Applicant's Guide, Volume I/A, paragraph 296).

What parts of the international application may be amended?

Under Article 19, only the claims may be amended.

During the international phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Preliminary Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

When ? Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit express laster. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau a flor the exprisation of the applicable time limit to the drove momentum of the properties of the technical preparations for international publication (Rule 46.1).

Where not to file the amendments ?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been/is filed, see below.

How? Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.

NOTES TO FORM PCT/ISA/220 (continued)

The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged;
- (ii) the claim is cancelled;
- (iii) the claim is new;
- (iv) the claim replaces one or more claims as filed:
- (v) the claim is the result of the division of a claim as filed.

The following examples illustrate the manner in which amendments must be explained in the accompanying letter:

- [Where originally there were 48 claims and after amendment of some claims there are 51]: "Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers; claims 30, 33 and 36 unchanged; new claims 49 to 51 added."
- [Where originally there were 15 claims and after amendment of all claims there are 11]: "Claims 1 to 15 replaced by amended claims 1 to 11."
- [Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims;
 "Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or

"Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."

4. [Where various kinds of amendments are made]: "Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

"Statement under Article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

It must be in the language in which the international application is to be published.

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It may not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

Consequence if a demand for international preliminary examination has already been filed

If, at the time of filing any amendments and any accompanying statement, under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably at the time of filing the amendments (and any statement) with the International Bureau, also file with the International Preliminary Examining Authority a copy of such amendments (and of any statement) and, where required, a translation of such amendments for the procedure before that Authority (see Rules 55.3(a) and 62.2, first sentence). For further information, see the Notes to the demand form (PCT/IPEA/AU).

If a demand for international preliminary examination is made, the written opinion of the International Starching Authority will, except in certain cases where the International Preliminary Examining Authority did not act as International Searching Authority and where it has notified the International Bureau under Rule 66.1b/sf(s), be considered to be a written opinion of the International Preliminary Examining Authority. If a demand is made, the applicant may submit to the International Preliminary Examining Authority a reply to the written opinion together, where appropriate, with amendments before the expiration of 3 months from the date of mailing of Form PCIT/IS/A/220 or before the expiration of 22 months from the priority date, whichever expirate start (Rule 43/6s.1(c)).

Consequence with regard to translation of the international application for entry into the national phase

The applicant's attention is drawn to the fact that, upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see the PCT Applicant's Guide, Volume II.